



# INSTRUCTION MANUAL

Personal computer communication software for Portaflow-X

INF-TN512661b-E

## Fuji Electric Systems Co., Ltd.

### Head office

Gate City Ohsaki, East Tower,  
11-2, Osaki 1-chome, Shinagawa-ku, Tokyo, 141-0032, Japan  
<http://www.fesys.co.jp/eng>

### Instrumentation Div.

#### International Sales Dept.

No.1 , Fuji-machi, Hino-city, Tokyo, 191-8502 Japan  
Phone : 81-42-585-6201,6202  
Fax : 81-42-585-6187  
<http://www.fic-net.jp/eng>

This is the instruction manual of personal computer communication software for Fuji Portaflow-X  
Read this instruction manual carefully before using this personal computer communication software.

Caution: This manual is subject to change without prior notice.

## 1. Copyright of software

This software is protected by copyright and all rights are reserved. No part of it may be reproduced or transferred by any means or in any form.

## 2. Outline

This software can show the measured values easily (On-line data or logger data) on personal computers from the portable ultrasonic flow meter (Portaflow-X).

## 3. System requirements

Operating system (for DOS/V PC): Windows95, Windows98, Windows2000, WindowsXP

Main memory: 32 Mbytes or more (recommended)

Hard disk capacity: 2Mbytes for program, 10Mbytes for data

Display resolutions: VGA or higher-resolution monitor

Communication cable (recommended): KRS-403XFIK (Sanwa supply Co.,Ltd.)

Connector changer (recommended): D9S-MM (Sanwa supply Co.,Ltd.)

(Note 1) Sanwa supply Co.,Ltd.: [www.sanwasupply.co.jp](http://www.sanwasupply.co.jp), TEL(086)223-3311, FAX(086)223-5123

(Note 2) When using a USB, use a USB-RS232C conversion adapter.

Refer to the instruction manual for the conversion adapter for its use.

Confirm the COM port of the conversion adapter and set the COM port before using the USB.

## 4. Downloading files

You can download the following files on our homepage.

Install files: 1 set (for installing this software to PC)

Instruction manual: 1 (this manual)

## 5. Installing software

- (1) Installation of the software downloaded from our homepage  
Execute the “setup.exe” file in the downloaded folder. Press the “Next” button to proceed.
- (2) Installation of the software on a CD (when the downloaded software is copied to a CD)  
Insert the setup CD into the drive, and execute the “setup.exe” file in the drive in accordance with the procedures of Windows. Press the “Next” button to proceed.

(Note) When OS before Windows 2000 is used, a screen requesting restart may appear when “setup.exe” file is executed. If the screen appears, press the “OK” button after closing all the files. The PC restarts and installation begins.

## 6. Start and types of menu screens

Select “PORTAFLOW-X” from the Start menu, and the Menu screen appears (Fig. 1).

- (1) Retrieving the On-line data
- (2) Retrieving the logger data

Select the “transfer mode” from the Menu screen and click the OK button, so the Menu screen is switched to the screen as shown in Fig. 2 or Fig. 3. Explanation of each screen is as follows:

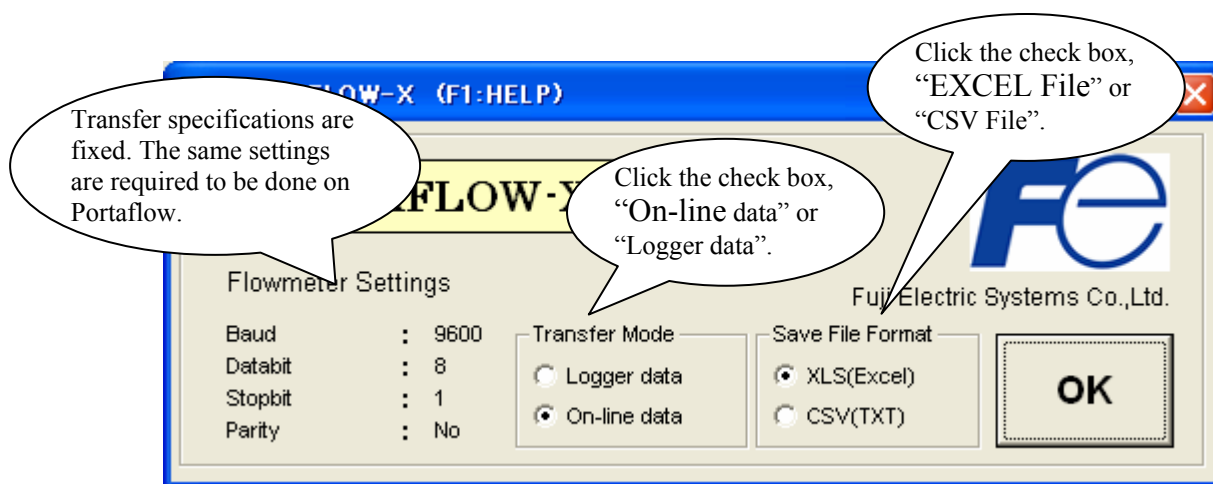


Fig. 1 Menu screen

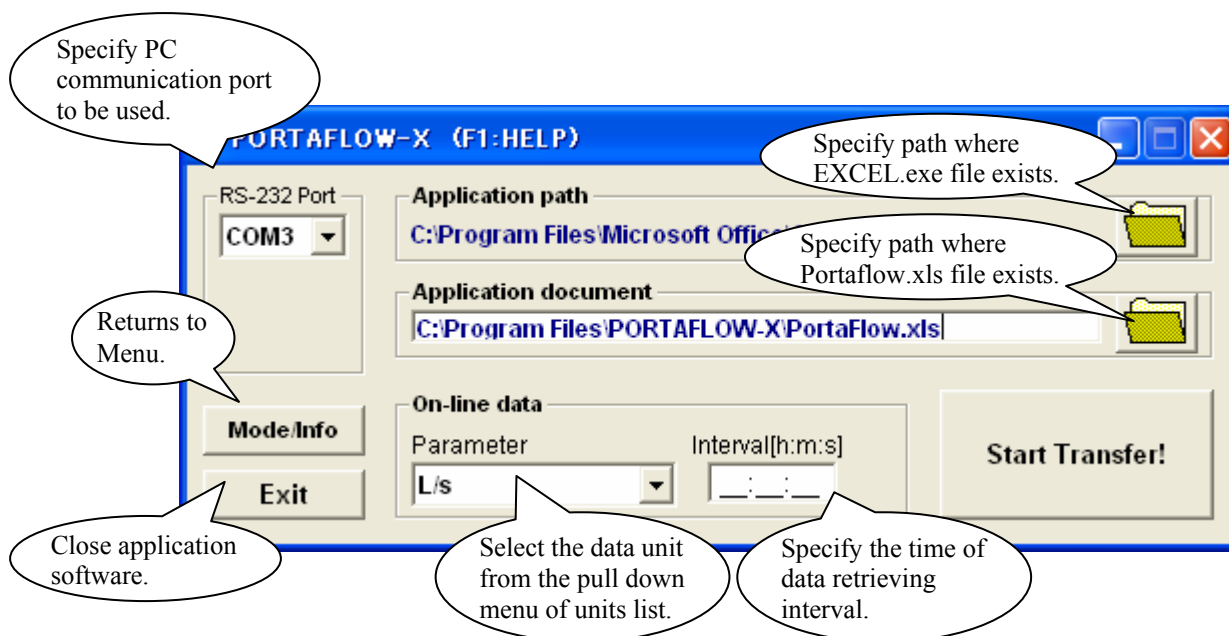


Fig. 2 On-line data screen

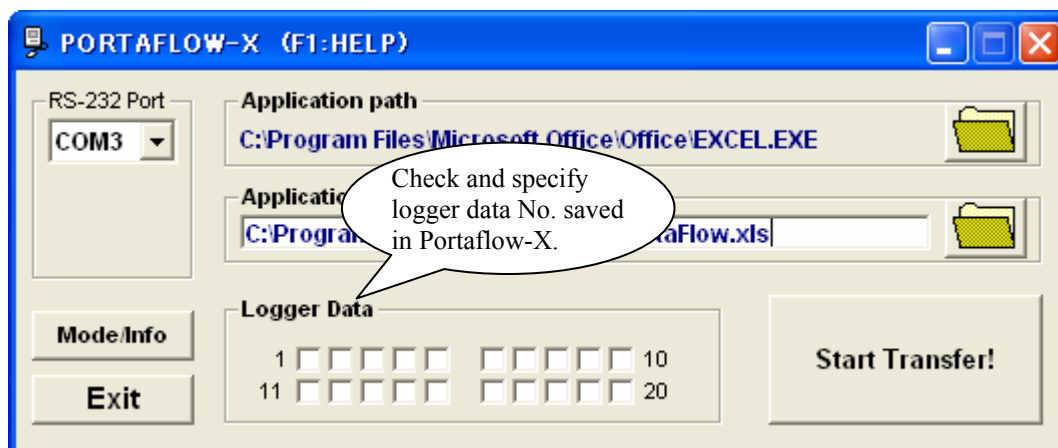


Fig. 3 Logger data screen

## 7. On-line data retrieving

Select “On-line data” from the transmission mode and click the OK button. The Menu screen is switched to the On-line data screen as shown in Fig. 4. Set the interval time. Click the “START TRANSFER!” button to open EXCEL. A screen in Fig. 6 appears, and then the one in Fig. 5 is displayed, indicating the communication status. Clicking the “Stop Xfer” button returns to the screen as shown in Fig. 4.

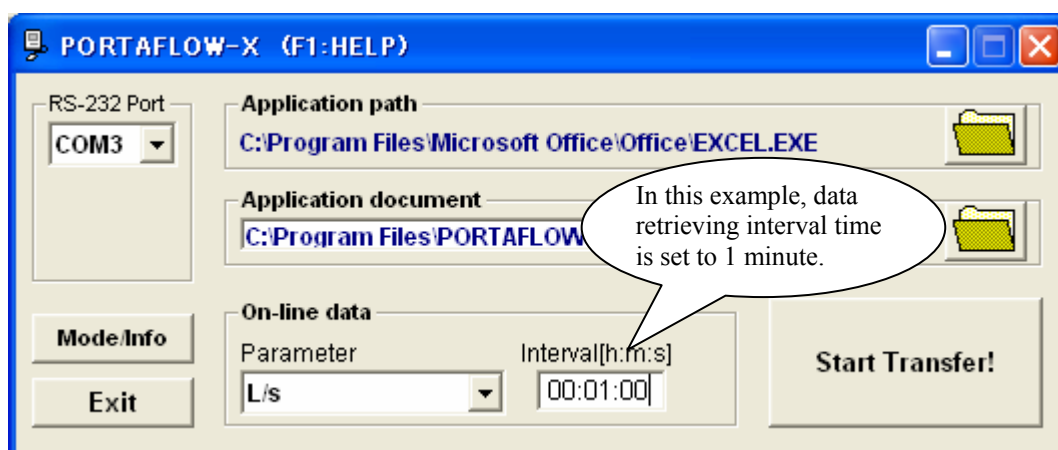


Fig. 4 On-line data screen

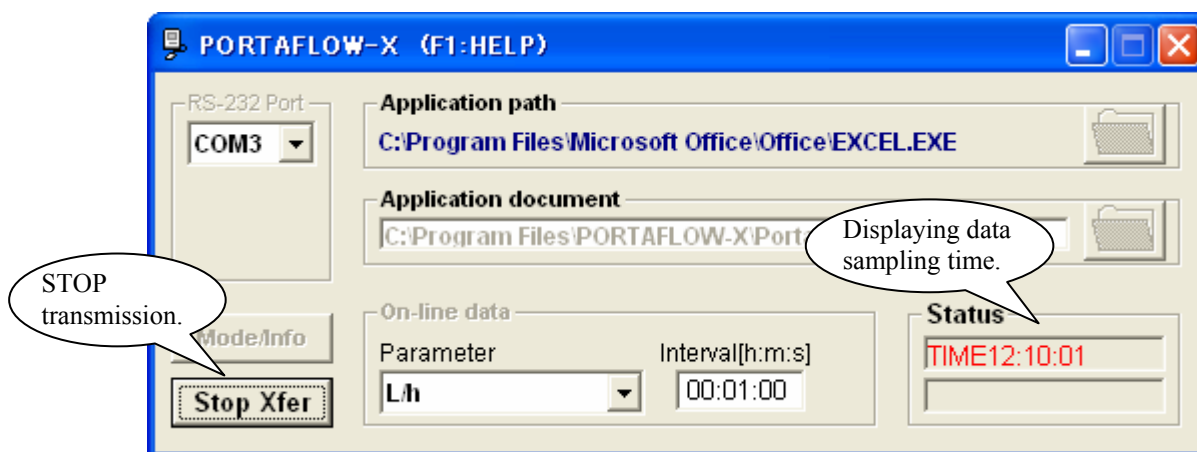


Fig. 5 On-line data retrieving screen

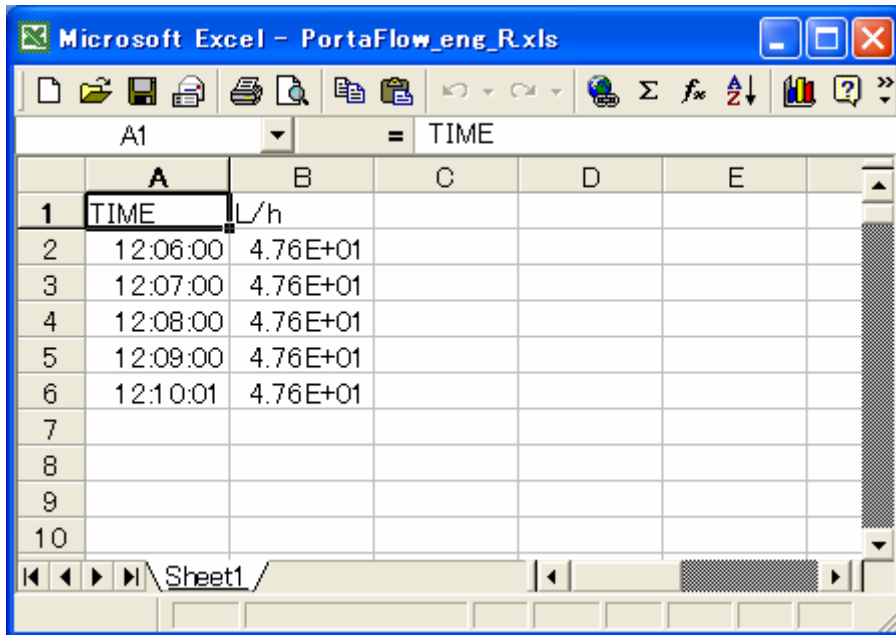


Fig. 6 On-line data EXCEL screen

## 8. Logger data retrieving

Select “Logger data” from the transmission mode and click the OK button. The Menu screen is switched to the screen shown in Fig. 7. Check the logger data No. and click the “START TRANSFER!” button, so that EXCEL opens. The screen shown in Fig. 9 appears and the one in Fig. 8 appears, indicating the logger retrieving status. Clicking the “Stop Xfer” button returns to the screen as shown in Fig. 7.

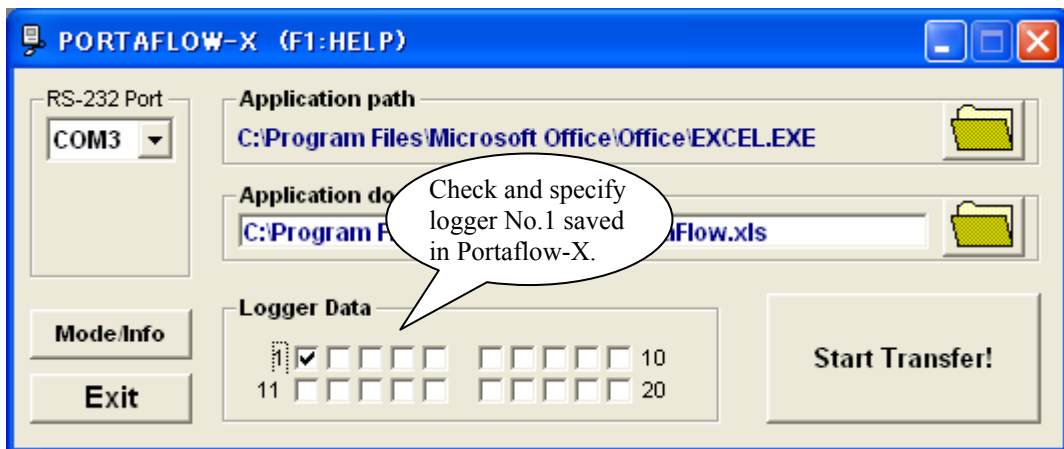


Fig. 7 Logger data screen

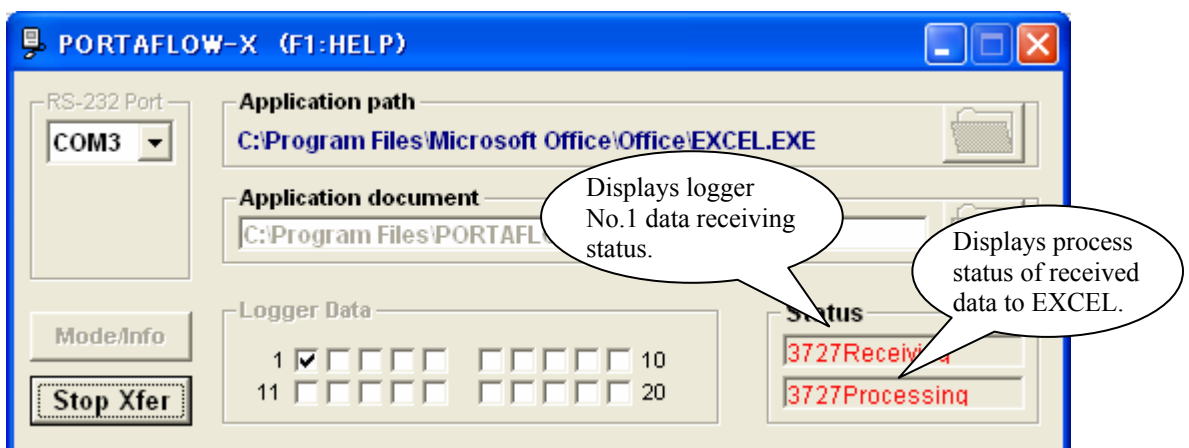


Fig. 8 Logger data retrieving screen

|    | A                  | B        | C        | D        | E   |
|----|--------------------|----------|----------|----------|-----|
| 1  | No.01              |          |          |          |     |
| 2  | LOG NAME:TEST1     |          |          |          |     |
| 3  | START :06-22 10:27 |          |          |          |     |
| 4  | END :06-22 10:37   |          |          |          |     |
| 5  | INTERVAL:00:00:01  |          |          |          |     |
| 6  |                    |          |          |          |     |
| 7  |                    | m/s      | m3/h     | BBL/m    | (+) |
| 8  | 06-22 10:27:00     | 1.00E-01 | 4.76E-02 | 4.99E-03 | 0   |
| 9  | 06-22 10:27:01     | 1.00E-01 | 4.76E-02 | 4.99E-03 | 0   |
| 10 | 06-22 10:27:02     | 1.00E-01 | 4.76E-02 | 4.99E-03 | 0   |
| 11 | 06-22 10:27:03     | 1.00E-01 | 4.76E-02 | 4.99E-03 | 0   |
| 12 | 06-22 10:27:04     | 1.00E-01 | 4.76E-02 | 4.99E-03 | 0   |

**Fig. 9 Logger data EXCEL screen**

- (Note) Quantity of data to be downloaded  
Maximum quantity of logger data to be downloaded is 32767 lines in Excel (Excel or CSV file).  
Note that data exceeding 32767 lines cannot be downloaded.  
When setting data storage period and data storage interval at setting of logger function of PORTAFLOW-X, set quantity of data to be downloaded so as not to exceed the above value.

## 9. Data saving

Data downloaded from PC are in an Excel sheet. To save the data in this file, use a name, other than the file name of "Portaflow.xls", which is specified by the application document.

## 10. Exit

To terminate each screen, click the EXIT button or "X" button.

## 11. Uninstalling software

Perform uninstalling software in accordance with the procedures of Windows.

(Note) Windows, Excel is a registered trademark of Microsoft Corporation, USA.